**Supplementary Table. Diagnosis categories adapted for possible ceftriaxone indicationsA**

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| **Diagnosis Name** | **ICD9 Codes Included** |
| **CEFTRIAXONE PERMISSIBLE FOR SOME OUTPATIENTSB** | |
| Sexually transmitted diseases | 079.88, 079.98, 090–099, 597, 604, 614–616 (except 614.6) |
| Pneumonia | 481–486 |
| Urinary tract infections | 590, 595.0, 595.9, 599.0 |
| Miscellaneous bacterial infections | 010–033, 036– 041, 070–088 (except 079.88 and 79.98), 100–104, 130–139, 320–323, 383, 475 |
| Sickle cell disease | 282.6, 282.41–282.42, 289.52, 517.3 |
| Acute suppurative otitis media | 382 |
| **CEFTRIAXONE NOT INDICATED, OTHER ANTIBIOTIC SOMETIMES INDICATED** | |
| SinusitisC | 461, 473 |
| Pharyngitis | 034, 462–463 |
| Chronic obstructive pulmonary disease with acute exacerbation | 491.21 |
| Skin, cutaneous, and mucosal infections | 680–686, 035, 110–111, 704.8, 728.0, 611.0, 771.5, 728.86, 380.0–380.1 |
| Acne | 706.0–706.1 |
| Gastrointestinal infections | 001–009, 787, 789 |
| **ANTIBIOTICS NOT GENERALLY INDICATEDD** | |
| Asthma, allergy | 493, 477, 995.3 |
| Bronchitis, bronchiolitisE | 490, 466 |
| InfluenzaF | 487–488 |
| Viral pneumonia | 480 |
| Viral upper respiratory infection | 460, 464–465, 786.2 |
| Miscellaneous other infections | 042, 045–069, 112–129 |
| Non-suppurative otitis media | 381 |
| Other gastrointestinal conditions, | 520–579 |
| Other skin, cutaneous and mucosal conditions | 690–698, 700–709, 870–897, 910–919, 940–949, 360–379, 380.2–380.9, 383–389, 782, 785.4, 785.6 |
| Other genitourinary conditions | 580–629 (excluding those listed above), 788.1 |
| Other respiratory conditions | 460–519 (excluding those listed above), 786.0–786.1, 786.3–786.4 |
| All other codes | All remaining codes |

A Adapted from: Fleming-Dutra KE, Hersh AL, Shapiro DJ, et al. Prevalence of Inappropriate Antibiotic Prescriptions Among US Ambulatory Care Visits, 2010-2011. *JAMA* 2016;315:1864-1873.

B Codes in this category were selected to be sensitive rather than specific. This category includes any code where use of ceftriaxone might be permissible.

C Ceftriaxone indicated for some inpatients with sinusitis, but not for outpatient management of adults with sinusitis.

D Antibiotics seldom indicated for these outpatient conditions. In rare circumstances, antibiotics may be indicated for patients with these conditions (e.g., erythromycin for gastrointestinal motility).

E Excludes visits with diagnoses for chronic bronchitis (491), emphysema (492), or COPD (496) in any code position.

F Includes patients with diagnoses for influenza with pneumonia (487.0) with no other diagnosis code for pneumonia. In our study, 1.0% of patients with an influenza diagnosis had influenza with pneumonia (487.0) as the first diagnostic code listed.